

G-298-Sealing Wax

## Material Safety Data Sheet

### IGI Waxes

#### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>The International Group, Inc.</b> 85 Old Eagle School Road Wayne, PA 19087.	<b>Emergency Contact :</b> Chemtrec: 1-800-424-9300 (continental USA) (1)703-527-3887 (outside continental USA) IGI Phone: 800-852-6537 IGI Fax: 610-654-8548
<b>Trade Name(s):</b> IGI, Nochek, Microsere, Tacwax and Parafflex	<b>MSDS Number:</b> 1804
<b>Chemical Name:</b> N/A	<b>Synonyms:</b> Paraffin Wax, Petroleum Wax, Microcrystalline/Paraffin Wax and Petroleum Hydrocarbon
<b>Prepared By:</b> Sovereign Chemical Company	<b>Date of Issue:</b> September 19, 2006 <b>Revision Number:</b> N/A <b>Change(s):</b> New

#### 2. INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Percent</u>	<u>NIOSH</u> <u>(TWA)</u>	<u>OSHA</u> <u>(REF)</u>
Paraffin wax	8002-74-2	100	2 mg/m <sup>3</sup> (fume, 8 hour)	10 mg/m <sup>3</sup> (fume, 6 min)

#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

White to dark amber waxy pellets, prills or slabs, practically odorless, will burn in a fire.

**NFPA Hazard Ratings:** Fire: 1 Health: 0 Reactivity: 0 Specific Hazard: none

**NFPA Hazard Ratings Scale:**

4 - Extreme

3 - High

2 - Moderate

1 - Slight

0 - Insignificant

**HMIS:** Health: 0 Flammability: 1 Reactivity: 0 PPI: none



### **Potential Health Effects:**

**Eye:** May be considered a nuisance dust causing irritation or mechanical abrasion. Molten materials will produce thermal burns.

**Skin Contact:** Molten materials will produce thermal burns.

**Ingestion:** No known effects. Non-toxic.

**Inhalation:** No known effects in its normal solid state at low concentrations. At high concentrations it has a nuisance effect. Under high temperatures fume concentrations should be less than 2 mg/m<sup>3</sup>.

**Chronic & Carcinogenicity:** The product is not known to have any chronic effects. The product is not known to be carcinogenic. No long term chronic effects are known.

## **4. FIRST AID MEASURES**

**Skin:** If burned by contact with molten material cool as quickly as possible with water and see a physician for treatment of burn.

**Eye:** Flush with large amounts of water. If irritation persists, call a physician.

**Ingestion:** Call a physician.

**Inhalation:** Remove to fresh air.

## **5. FIRE FIGHTING MEASURES**

**Flash Point:** : > 230°C/440°F (COC)      **LEL:** NA      **UEL:** NA      **Auto Ignition Temperature:** NA  
Requires exposure to high temperature and naked flame to burn. Use dry chemical, regular foam, or carbon dioxide to extinguish fires. Do not use water to extinguish fires. Treat as a petroleum oil fire. A self contained breathing apparatus (SCBA) operating in the positive pressure mode and full fire fighting protective clothing should be worn for combating fires. Carbon monoxide form during a fire. Dense smoke may be generated if product burns.

## **6. ACCIDENTAL RELEASE MEASURES**

Allow any molten product to solidify, scrape up and treat as solid combustible material. Take up any spilled solid product by mechanical means (avoid dust formation) and place into sealed containers for proper disposal. Do not allow product to enter sewage or ground water. Dispose of waste materials including empty product bags or drums in accordance with Local, State and Federal regulations. This product is a non-hazardous waste when spilled or disposed of as defined in Resource Conservation Recovery Act (RCRA) regulations (40 CFR 261).

## **7. HANDLING AND STORAGE**

Do not store at high temperatures. Store in dry conditions, away from boilers and hot pipes. Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts.

## **8. EXPOSURE CONTROL - PERSONAL PROTECTION**

**Engineering Controls:** Local exhaust ventilation should be provided. Design details for local exhaust ventilation systems may be found in the latest edition of "Industrial Ventilation: A Manual of Recommended Practices" published by the ACGIH Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48910. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer.

**Respiratory Protection:** If concentration is likely to exceed the exposure limits in section 2 a suitable organic vapor mask should be used.

**Eye Protection:** Chemical protective goggles are recommended where there is a possibility of eye contact with the product. Safety glasses with side shields are recommended for all other operations.

**Protection Gloves:** Impervious gloves recommended.

**Other Protection Items:** Protective overalls recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance/Physical State:</i> White to dark amber waxy pellets, prills or slabs	<i>Melt Point:</i> 46-125°C
<i>Vapor Density (Air = 1):</i> Not applicable	<i>Octanol/Water Partition Coefficient:</i> Not applicable
<i>Vapor Pressure:</i> Not applicable	<i>Evaporation Rate BuOAC = 1:</i> Not applicable
<i>Odor:</i> Mild waxy odor	<i>Specific Gravity or Bulk Density:</i> 0.90-0.95 at 25°C
<i>% Volatile by Volume:</i> Not applicable	<i>Boiling Point:</i> Not applicable
<i>% Solubility (H<sub>2</sub>O):</i> Insoluble	<i>pH:</i> Not applicable
<i>Other:</i> None	

## 10. STABILITY AND REACTIVITY

*Stability /Polymerization:* Stable. Hazardous polymerization will not occur.

*Incompatibility (conditions to avoid):* Water

*Hazardous Decomposition Products:* Carbon monoxide

*Special Sensitivity:* None that are known.

## 11. TOXICOLOGICAL INFORMATION

*Hazardous Ingredients:* None

*Immediate Health Effects:* None expected

*Delayed Health Effects:* None expected

*Acute Effects (short term):* None expected

*Chronic Effects (long term):* None expected

## 12. ECOLOGICAL INFORMATION

*Environmentally dangerous ingredients:* None

*Mobility:* Solid

*Persistence and degradability:* Very slow biodegradation

*Bioaccumulative potential:* Not available

*Aquatic toxicity:* Not available

*Marine pollutant (IMDG guide):* No

## 13. DISPOSAL CONSIDERATIONS

*Disposal of waste materials:* Treat as solid, combustible material

*Disposal of waste containers:* Normal industrial waste

*Disposal restrictions:* Compliance with local, state, and federal laws and regulations

*Statutory notification required* See above

## 14. TRANSPORTATION INFORMATION

*D.O.T. Classification:* Not regulated

*UN Number:* None

*UN Packaging Group:* None

*IMDG Classification:* Not applicable

*Special precautions Re carriage:* None required

*Symbol:* Not applicable

## 15. REGULATORY INFORMATION

*OSHA Hazard Communication Standard 29 CFR 1910.1200:* This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as notes in Section 2.

*Canadian WHMIS:* Complies

**Canadian Environmental Protection Act:** All components of this product are on the Domestic Substances List (DSL)

**SARA Title III:**

**Section 302 Extremely Hazardous Substance:** None

**Section 311/312 Hazard Categories:** Non-hazardous under Section 311/312

**Section 313 Toxic Chemicals:** None

**RCRA:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

**NTP, IARC:** Not listed.

**CERCLA:** No planning or reportable quantities.

**TSCA:** All ingredients are listed on the TSCA Inventory.

**EINECS:** All components are on the European Inventory of Existing Commercial Chemical Substances.

**State Regulations:** There are no know additional requirements necessary for compliance with state Right-To-Know regulations.

## 16. OTHER INFORMATION

NE = Not Established

NA = Not Applicable

ND = Not Determined

**Information contained in this MSDS sheet have been gathered from the following documents:**

Chemical REG-A-DEX, J.J.Keller, March 2000

WHMIS Compliance Manual, Carswell, April 2000

Transportation of Dangerous Good, J.J.Keller, February 2000

Code of Federal Regulations, Transportation, 49 CFR Parts 100 to 185, October 1998

NIOSH Pocket Guide to Chemical Hazards, June 1997

ACGIH Threshold Limit Values, 1999

HMIS Implementation Manual, 2nd Edition

Toxicity and Safe Handling of Rubber Chemicals, BRMA, 3rd Edition

ChemCheck Handbook, Specialty Technical Publishers, March 2000

IARC WEB site

NTP WEB site

**IMPORTANT SAFETY NOTICE:** The information in the Material Safety Data Sheet relates only to the specific material(s) described herein and does not relate to use in combination with any other material or substance or in any process. We believe that the information contained herein is current as of the date of issue of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of Sovereign Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.

Users of this product should study this Material Safety Data Sheet and become aware of the product hazards and safety information before using the product. Users should also notify their employees, agents, and contractors of the information on this Material Safety Data Sheet and any product hazards and safety information in order to provide safe use of this product.